

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 04/03/2018
Effective: 04/04/2018

Version: DMEF2018 R0
Status: Active

Instrument # 100380

Date: 01/17/20

Analyst: Derek Walton

1. Reason for instrument evaluation

Sticky 5 way valve

2. Visual Inspection

Clean

Replace missing screws

Cermetex Box is secure

Ensure modem cable present

Gas Valve upright or secured to wall

All tubing and connections are secure

3. O-ring inspection and ensure 2 O-rings in replacement bag

4. Troubleshooting/Repair

Replaced o-ring. Replaced 5 way valve.

Ran VOC and breath tests successfully.

01/22/20 : Ran 0.300 simulator successfully.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100380

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/17/2020

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.67: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020
TANK PRESSURE: 899 psi

| | | |
|-----------------------------------|------------|-------|
| BLANK TEST | 0.000 | 15:31 |
| INTERNAL STANDARD | ✓ VERIFIED | 15:31 |
| Xq = 0.085 (0.51%) | | |
| EXTERNAL STANDARD | 0.079 | 15:31 |
| X[1] = 0.0791 (-0.0004) (-0.0043) | | |
| BLANK TEST | 0.000 | 15:32 |
| EXTERNAL STANDARD | 0.078 | 15:33 |
| X[1] = 0.0777 (-0.0010) (-0.0035) | | |
| BLANK TEST | 0.000 | 15:34 |
| EXTERNAL STANDARD | 0.078 | 15:34 |
| X[1] = 0.0779 (-0.0012) (-0.0034) | | |
| BLANK TEST | 0.000 | 15:35 |
| EXTERNAL STANDARD | 0.079 | 15:35 |
| X[1] = 0.0789 (0.0002) (-0.0025) | | |
| BLANK TEST | 0.000 | 15:36 |
| EXTERNAL STANDARD | 0.079 | 15:36 |
| X[1] = 0.0791 (-0.0008) (-0.0031) | | |
| BLANK TEST | 0.000 | 15:37 |

Average = 0.0786
Std Dev = 0.0005

Diagnostic Check

VERSIONS
DMT: 3.02 ✓
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

| | |
|-------------------------|--------|
| Sample Chamber = 48.7°C | PASSED |
| (44.0°C - 52.0°C) | |
| Breath Tube = 38.4°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.63 V | PASSED |
| (0.97 V - 2.25 V) | |
| Cooler Voltage = 1.54 V | PASSED |
| (0.95 V - 2.23 V) | |
| Bias Voltage = 80 V | PASSED |
| (48 V - 112 V) | |
| Chopper Freq = 518 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.7 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.672 L/M | PASSED |
| (3.500 L/M - 6.500 L/M) | |

DETECTOR INFO

| | |
|----------------------|--------|
| PUMP ON | PASSED |
| (0.002 V <= 0.010 V) | |
| PUMP OFF | PASSED |
| (0.002 V <= 0.010 V) | |

FILTER INFO

| | |
|----------|--------|
| Filter 1 | PASSED |
| Filter 2 | PASSED |
| Filter 3 | PASSED |

| | | |
|-------------------|-------|-----------------|
| INTERNAL STANDARD | ✓ | PASSED |
| Xq = 0.084 | 1.02% | (0.00% - 4.00%) |

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100380

Date: 01/17/2020
Time: 15:41:36

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

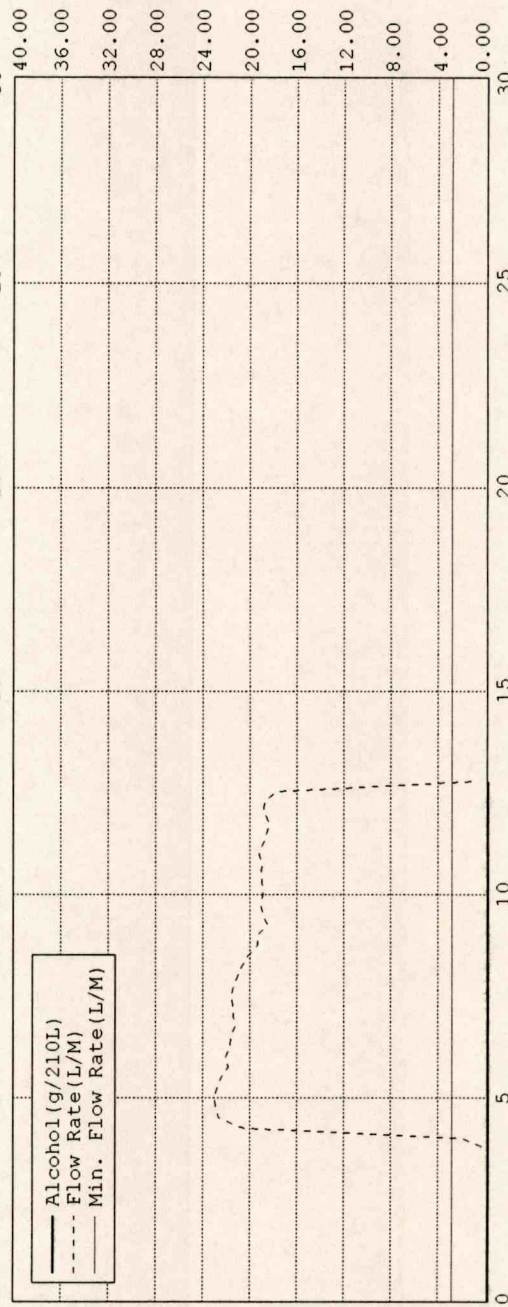
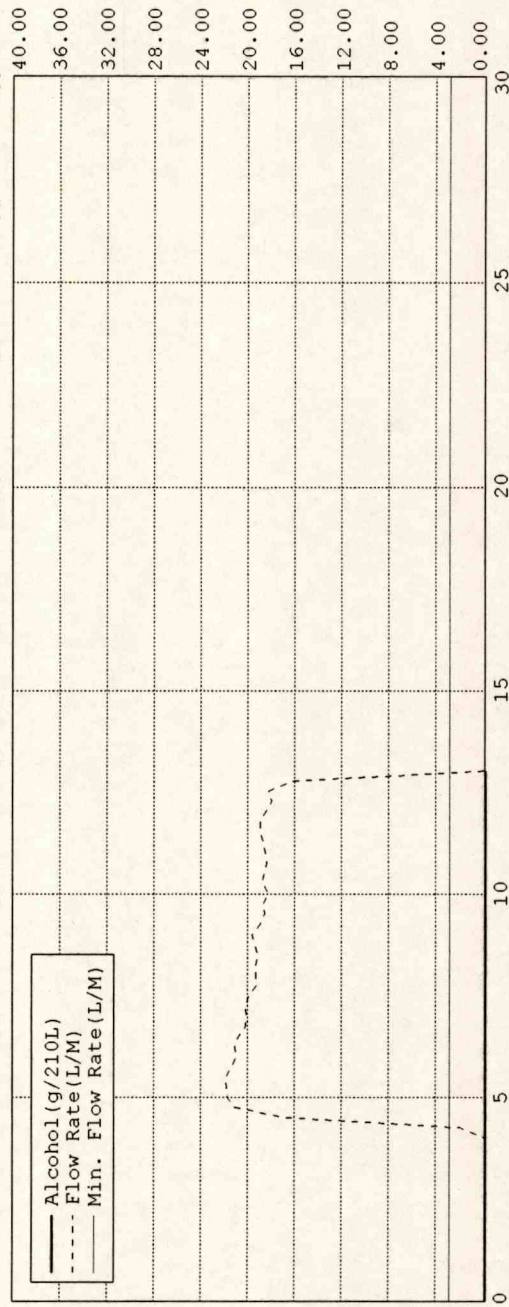
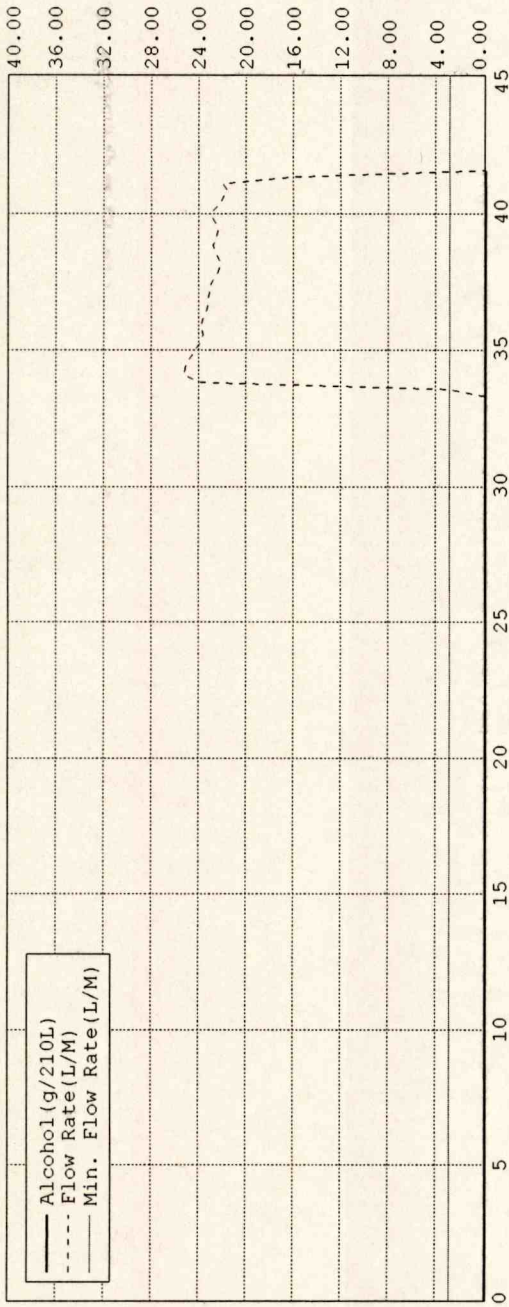
OPERATOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

DEPT/AGENCY:
NON-DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.67: 0.079
LOT #: AG826101
EXPIRATION: 09/18/2020

| | | |
|----------------------------|----------|-------|
| DIAGNOSTIC CHECK | PASSED | 15:43 |
| BLANK TEST | 0.000 | 15:43 |
| INTERNAL STANDARD | VERIFIED | 15:43 |
| EXTERNAL STANDARD | 0.079 | 15:43 |
| BLANK TEST | 0.000 | 15:44 |
| SUBJECT SAMPLE (Vol=2.99L) | 0.000 | 15:45 |
| BLANK TEST | 0.000 | 15:46 |
| EXTERNAL STANDARD | 0.079 | 15:46 |
| BLANK TEST | 0.000 | 15:47 |
| SUBJECT SAMPLE (Vol=2.76L) | 0.000 | 15:47 |
| BLANK TEST | 0.000 | 15:48 |
| EXTERNAL STANDARD | 0.080 | 15:48 |
| BLANK TEST | 0.000 | 15:49 |
| SUBJECT SAMPLE (Vol=2.90L) | 0.000 | 15:50 |
| BLANK TEST | 0.000 | 15:50 |
| EXTERNAL STANDARD | 0.080 | 15:51 |
| BLANK TEST | 0.000 | 15:52 |



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100380

Date: 01/22/2020
Time: 09:24:15

SUPERVISOR NAME:
DEREK WALTON
OPERATOR'S #: 9508

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300

| | | |
|-------------------|----------|-------|
| BLANK TEST | 0.000 | 09:25 |
| INTERNAL STANDARD | VERIFIED | 09:25 |
| EXTERNAL STANDARD | 0.305 | 09:26 |
| BLANK TEST | 0.000 | 09:27 |
| EXTERNAL STANDARD | 0.304 | 09:27 |
| BLANK TEST | 0.000 | 09:28 |
| EXTERNAL STANDARD | 0.304 | 09:29 |
| BLANK TEST | 0.000 | 09:30 |
| EXTERNAL STANDARD | 0.304 | 09:30 |
| BLANK TEST | 0.000 | 09:31 |
| EXTERNAL STANDARD | 0.304 | 09:32 |
| BLANK TEST | 0.000 | 09:32 |

Average = 0.3042
Std Dev = 0.0004

